

Title (en)

Two-ply warp two-ply weft papermaking fabric having auxiliary weft yarns incorporated in papermaking side fabric.

Title (de)

Papiermachergewebe bestehend aus zwei Lagen von Kett- und zwei Lagen von Schussfäden, mit zusätzlichen, in der papierseite eingebundenden Schussfäden.

Title (fr)

Tissu pour papeterie à deux couches de fils de chaîne et deux couches de fils de trame, comprenant des fils de chaîne auxiliaires tissés dans le côté papier.

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Application

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Priority

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Abstract (en)

A two-ply warp two-ply weft papermaking fabric having auxiliary weft yarns incorporated in a papermaking side fabric thereof, which papermaking fabric includes (a) an at least 3-shaft papermaking side fabric consisting of papermaking side warps and papermaking side weft yarns, forming long crimps of warps on the papermaking side thereof, and having auxiliary weft yarns of a smaller diameter than the warps incorporated in the papermaking side weft yarns, (b) a weft wear type running side fabric consisting of running side warps and running side weft yarns and having the running surface thereof formed of long crimp of the weft yarns, and (c) binding yarns intersecting the papermaking side warps on the upper side thereof and intersecting the travelling face side warps on the lower side thereof thereby connecting the papermaking side fabric and the running side fabric. <IMAGE>

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Citation (search report)

- [Y] EP 0287836 A1 19881026 - OBERDORFER FA F [DE]
- [Y] WO 8909848 A1 19891019 - HUYCK CORP [US]
- [A] EP 0414148 A2 19910227 - HUYCK CORP [US]
- [A] EP 0085363 A1 19830810 - HUYCK CORP [US]
- [A] EP 0263527 A1 19880413 - WANGNER GMBH CO KG HERMANN [DE]
- [A] US 5101866 A 19920407 - QUIGLEY SCOTT D [US]

Cited by

US5899240A; EP2657399A3; US5894867A; US5937914A; EP1584742A1; US6112774A; US6123116A; US6145550A; US5983953A; US6073661A; EP1170410A3; CN108966664A; EP3409833A4; US2012135656A1; US2012135657A1; EP0905310A3; US8809211B2; US8853107B2; US6244306B1; US6179013B1; US6585006B1; US11149362B2; US8991440B2; US7073539B2; US6253796B1

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